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009057843 **Image available**

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Feeding control method for stacked sheets - using suction pad displaced downwards contacting the uppermost sheet at low speed and sheet flexed by pressure to judge if single sheet

Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF)

Inventor: SOGA N; SUYA T; TORISAWA N

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 488316	A1	19920603	EP 91120437	A	19911128	199223 B
US 5295673	A	19940322	US 91800134	A	19911129	199411
EP 488316	B1	19970226	EP 91120437	A	19911128	199714
DE 69124776	E	19970403	DE 624776	A	19911128	199719
			EP 91120437	A	19911128	

Priority Applications (No Type Date): JP 90331956 A 19901129; JP 90331955 A 19901129

Cited Patents: EP 436892; US 2846892; US 2942877; US 2846220; US 4148473

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 488316	A1	E	17	B65H-007/12	
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Designated States (Regional): DE GB

US 5295673	A		12	B65H-003/30	
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EP 488316	B1	E	17	B65H-007/12	
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Designated States (Regional): DE GB

DE 69124776	E			B65H-007/12	Based on patent EP 488316
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Abstract (Basic): EP 488316 A

Photographic light sensitive mediums (14) such as sheets are fed one by one by a suction pad (16) in a control apparatus. The pad is displaced downward at a low speed in a position near the stack. An uppermost sheet (14) is attracted to the pad and is flexed by a sheet presser (18) while it is separated from the other sheets and a judgment made as to whether a single sheet is obtained.

This is accomplished by assessing the degree of flex of the sheet and if multiple sheets have been attracted the pad releases the sheets and tries again at a given stop position.

ADVANTAGE - Avoids damage to high quality recording medium.

Dwg.1/10

Title Terms: FEED; CONTROL; METHOD; STACK; SHEET; SUCTION; PAD; DISPLACE; DOWN; CONTACT; UPPER; SHEET; LOW; SPEED; SHEET; FLEX; PRESSURE; JUDGEMENT; SINGLE; SHEET

Derwent Class: Q36; X25

International Patent Class (Main): B65H-003/30; B65H-007/12

File Segment: EPI; EngPI

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